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## (54) MOBILE COMMUNICATION SYSTEM AND MOBILE TERMINAL EQUIPMENT

## (57)Abstract:

PROBLEM TO BE SOLVED: To provide a mobile communication system in which the throughput deterioration is not in existence by a reservation control packet by sending a reservation packet in the CDMA (code division multiple access) system.

SOLUTION: Mobile terminals 5a, 5b having a transmission request send a reservation packet through a reserved channel by the CDMA system and a base station 4a allocates a transmission channel and a time slot available for the mobile terminals 5a, 5b of request sources by using a reply packet outputted through a reply channel. A short spread code corresponding to a matched filter is applied to the reservation channel. When the reservation packet is sent by the CDMA system, even when plural reservation packets are caused overlappingly timewise, the base station 4a extracts independently when a timing differs and it is not required to make 2nd transmission of the reservation packet due to collision.

